



*Environmental Laboratory*

*Licensure Services*

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## **Information Update**

**April 10, 1996**

**Update #27**

1. Announcing a FREE workshop on "The Basics of Quantitation" sponsored by Hewlett Packard. This workshop is scheduled for Friday, April 26th, 1996 from 8:30 am - 4:00 pm. The purpose of this one-day course is to introduce the student to the data handling aspects of gas and liquid chromatography in regards to quantitative accuracy and precision. This workshop will cover:

### **Introduction**

Good Laboratory Practices  
Steps in Analytical Gas Chromatography Methodology  
Accuracy and Precision, Sampling Frequency  
Signal-to-Noise, Area -vs- Height  
Detection/Quantitation Limits

### **Peak Recognition and Integration**

Peak Width, Threshold, Area Reject  
Criteria for Quantitation of Peaks that are not 100% resolved

### **Integration Events**

Peak Type Codes, Time Programmable Events

### **Calibration**

Why, How, Regression Line

### **Methods**

Area %, Norm %, Estimated, Internal standard

This workshop will be presented by Karen Mehlin. Karen is a graduate from Northwest Missouri State University in 1976 with a degree in Chemistry and Biology. From 1976 to 1989 she worked in a variety of positions in pharmaceutical development methods which included QA/QC development procedures,

FDA audit and tracking on a wide variety of instrumentation. From 1989 to present she is employed at Hewlett Packard as a Technical Field Engineer.

Lunch will be provided. We will not be validating parking. Please call Cristy Finan at (602) 255-3454 for registration. There is limited seating. The location is 3443 N. Central, on the 9<sup>th</sup> floor Conference Room.

2. If you have any questions regarding the Updates or if you have any technical questions that need clarification, please call Prabha Acharya, Program Manager, Technical Resources and Training, at the above numbers.
3. There appears to be a big concern among the environmental laboratories regarding the low MDLs for drinking water required by the Arizona Department of Environmental Quality (ADEQ). Please fill out the attached survey before April 19 and fax it to the attention of Prabha Acharya, at (602) 255-1070. The results of this survey will be used in the discussion with the ADEQ and EPA. **TAKE THIS OPPORTUNITY TO PROVIDE YOUR INPUT TOWARDS ADDRESSING THIS PROBLEM.**

*THIS MESSAGE AVAILABLE IN ALTERNATIVE FORMAT UPON REQUEST, BY CONTACTING: Wesley Press AT (602) 542-0357*

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